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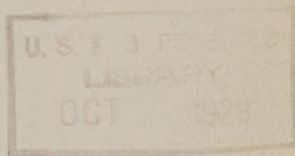
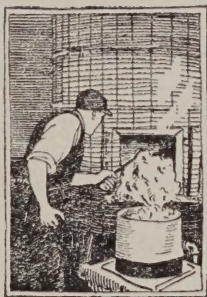
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FOREST PRODUCTS RESEARCH IN PICTURES

NO. 54

**PRESS BOOSTS FUEL VALUE
OF BARKING WASTES**



**FOREST PRODUCTS LABORATORY
U. S. FOREST SERVICE
MADISON, WISCONSIN**

The photograph on the left shows pressed bark mixed with wood waste as it goes to the boilers of one paper mill after being put through a bark press of one of the newer types. In this machine chunks like those shown at the right and the smaller splinters, such as are usually lost in the water which runs from the barker drums and which form a source of stream pollution, are handled with ease along with the bark. Barker waste becomes useful as fuel when sufficient water can be removed to bring it down to a moisture content of from 50 to 55 per cent. Pressing out the moisture in excess of about 50 per cent of the dry weight of the bark changes it from a cumbersome waste which will not even burn without being mixed with coal to a low-grade fuel which can be used to replace some of the coal required by the mill boilers. The mill pressing the waste pictured here estimates that the press saves \$75 of fuel costs per day by increasing the fuel value of the barker waste.

Photographs by Forest Products Laboratory, U. S. Forest Service



